CONTRACT CERTIFICATE

(For other works)

No. 2nd & final Date: A(E)SD/DD(2A)/13-14 25-5-13

Division: Dasarahalli Division Sub-Division:

Bill Received No. 92/13-14 Dated 30.5.13 Cash Book Vocher No. Dated

Scheduled Docket No. Head of Account

Name of work (as Per Sanctioned Estimate.)::**Improvements to Road at Chikkabanvar Railway Station to Gelayarabalaga Ganesha temple in W.No. 12 in Shettyhalli Sub division.**

Name of Contractor and Full Address: : - **Technical Manager (west), Karnataka Rural Infrastructure Development Limited, Project Implementation unit, Madhavanagara Bangalore 560 001.**

Reference to Agreement No: **EE/DD/WO/25 /12-13**

Certified that the measurements were taken by me on 24/5/13 and recorded in pages 35692/1 to 35698/1

Measurements Book No. 357/08+09 and that the work is satisfaction executed

EXECUTIVE ENGINEER-2 KRIDL, BBMP DIVISION BANGALORE - 560 010

Contractor Signature

Ravi. N.K.

Officer-in-charge of work.

Certified that the measurements were taken by me on 24/5/13 and found correct. The work is satisfactorily executed

Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

CM by EE 35696/24-5-13

If Memorandum of Payment **Work Code No. 012-11-000107**

Ravi. N.K. 24/5/13

Sub-Division Officer.

		Amount
1	Total Value of work done or supplies made as per account.	Bill upto date 5214807=00
2	Deduct amount to be held in reserve being ..... Percent Rs.	Ded. Pre. Paid - 3770870=00
3	Deduct amount to be held in reserve being balance	II nd & Final - 1443937=00
4	Deduct payments: a) Amount of previous payment as in the office Cash Book Vocher No..... Dated..... S.D. No..... Amount adjusted towards cash advance recovery of b) Payments cost store or other materials supplied.	IT - 28878- KST - 57757- FSD - 72197- Total..... LWC - 14439- CBR - 1444- PM - 3500- ROY - 50518- 228733=00
5	Balance being unpaid value of work done held in reserve	
6	Deduct cash advance made on the office cash book vehicle No..... Dated..... Less adjustments	
7	Net amount due to or from contractor	NET 1215204=00
8	Unadjusted items Advance to contractor for materials brought to site (as detailed) within value of Government materials supplied. Government materials supplied.	

Audited and admitted for Rs. 1443937=00

Passed by Chief Auditor for Rs. 1215204=00

EXECUTIVE ENGINEER-2 KRIDL, BBMP DIVISION BANGALORE - 560 010

Executive Engineer

Received Rs. (in words)

By cash and by adjustment of payment as per memorandam.

(for use in the office)

Witnesses:

1

2 by adjustment 228733=00

Date:

Paid by me by cheque 30/5/14 Dated

Cash Rs. Dated

Initials of Officer making payment dated

30/5/14

EXECUTIVE ENGINEER-2 KRIDL, BBMP DIVISION BANGALORE - 560 010

Signature of Contractor.

Executive Engineer.

1	Earth work in excavation of foundation of structures as per drawing and technical specification, inclu setting out, construction of shoring and bracing, removal stumps and other deleterious matter, dressir sides and bottom, backfilling with approved material complete as per specifications.
2	Earth work in excavation of foundation of structures as per drawing and technical specific on, inclu setting out, construction of shoring and bracing, removal stumps and other deleterious matter, dressir sides and bottom, backfilling with approved material complete as per specifications.
3	Providing and filling sand in foundation upto plinth to required depth for sub soil treatment inclu watering remming with lead upto 50m. And lift upto 15 complete as epr specification.
4	Providing & Filling in foundation with granite/trap broken metal 100mm. and down size, with approved s including hand packing, ramming, watering, including cost of all materials and labour with lead upto 5 and lift of 1.5 m. complete as per specifications.
5	Providing and laying in position plain cement concrete of nominal mix M 10 with OPC cement @ 220 With 40mm and down size graded granite metal machine mixed, concrete laid in layers not excee 15cms thick, well compacted, in foudnation and plinth, including cost of all materials, labour, HOI machinery, curing complete as per specificaitons.
6	Providing and laying in position reinforced cement concrete of design mkix M25 with OPC cemer 340kgs, with 20mm and down size graded granite metal, machine mixed, concrete laid in layers exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof sl staircase, lintels, retaining walls, return walls, walls (any thickness) including attached plasters, colur piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping bed blc anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machi curing complete as per specifications.
7	Providng TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, pla in position lapping and /or welding wherever required, tying with binding wire and anchoring to the adjo members wherever necessary comploete as per desgn (laps, hooks and wastage shall not be meas and paid) cost of materials, labour, HOM of machinery complete as per specifications.
8	Providing and removing centering shuttering strutting, propping etc., and removal of form work for surface such as walls at nay thickness, including attached pilasters, buttresses, plinth and string cou cost of all materials, labour complete as per specifications.
9	Providing and laying reinforced cement concrete pipe NP2 for culverts including pointing ends, and f collors with 1:2 including cost of all materials labour curing complete as epr specifications.
10	Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transportir site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complet per specifications.
11	Construction of granular sub-Baseby providing close graded materials, mixng in a mechanical mix pla OMC carriage of mixed Material to work site, spreading in uniform layers with mortor grader on prep surface and compacting with vibratory power roller to achieve the desired density, complete as specification.
12	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam Specifica including premixing the material with water at OMC in mechanical mix plant carriage of mixed metho tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface compacting with vibratory roller to achieve the desired density complete as per Specifications.
13	Providing and applying primer coat from 7.5 to 9.8 kg and 9.8 to 12.2 kg per 10 sqm for surfaces of low medium porosity respecitively over prepared surface of granular base with cut vack M C -70 or any bitumen mixed with diesel at 10 Kg per 10 Sqm heated in bitumen boiler fitted withs pray set (exclu cleaning of road surface) including cost of all mateirals labour HOM of machineries complegea s specificaitoins.

of as	Sqm	—	—	—	939.14	11=08	10406:00	939.14	10406:00
per of per ver out of	Cum.	—	—	—	46.96	6162=11	289373:00	46.96	289373:00
MP ng, ng ith TH	Cum.	—	—	—	23.48	8882=32	208557:00	23.48	208557:00
	Cum.	—	—	—	258.27	53=19	13737:00	258.27	13737:00
in M ng	Cum.	—	—	—	711.00	94=82	67417:00	711.00	67417:00
		—	—	—			13,12,670:00		13,12,670:00

342806 4

342.806=0

3770.870=0

Total

add:- KRIDL 10% charges 131267:00

14,43,937:00

(131267:00)

14,43,937:0

4740734=

474073=0

5214807=00

	Unit	Qty.	Rate	Cost	Qty.	Rate	Cost	Qty.	Cost
ing of	Cum.	585	87.16	50989-	-	-	-	585	50989-
ing of	Cum.	126	112.05	14118	-	-	-	126	14118-
ng	Cum.	12.6	1279.4	16121	-	-	-	12.6	16121
nd m.	Cum.	25.20	1122.54	28228-	-	-	-	25.20	28288
gs. ng of	Cum.	16.36	4105.8	67171-	-	-	-	16.36	67171
@ not os, ns, ks, ery	Cum.	299.63	5213.93	1562223-	-	-	-	299.63	1562223-
ng ng ed	Q	178.76	7211.75	1289172	-	-	-	178.76	1289172
flat es	Sqm	450.	544.84	245178	-	-	-	450-	245178
ng	M	26	5954	154804-	-	-	-	26	154804
to as	Cum.	-	-	-	2195.68	146:88	322501:00	2195.88	322501:00
at ed per	Cum.	-	-	-	140.87	983:88	138599:00	140.87	138599:00
ons of and	Cum.	-	-	-	187.83	1060:56	199205:00	187.83	199205:00
and ner ing per	Sqm	-	-	-	939.14	66:95	62875:00	939.14	62875:00

14	Providing and applying tack coat with bitumen emulsion using emulsion pressure distributor at the rate 0.20 kg per sqm on the prepared bituminous/granular surface cleaned with mechanical broom complete per specifications using bitumen emulsion.
15	Providing and laying bituminous macadam on prepared surface with crushed coarse aggregates as design mix formula for base/binding course including loading of aggregates with F.E loader, hot mixing stone aggregates and bitumen in hot mix plant 40 tonne capacity, transporting the mixed material in tip to paver and laying mixed materials with paver finisher to the required level and grade, rolling by pow roller to achieve the desired density, 50/75 mm compacted thickness with 80/100 Grade bitumen excluding cost of primer/ tack coat with lead upto 1km including cost of all materials, labour, HOM machineries complete as per specifications.
16	Providing and laying semi dense bituminous concrete 25-30mm thick with 100-120 TPH batch type Hi producing an average output of 75 tonnes per hour using crushed aggregates of specified gradi premixed with bituminous binder at 4.5 to 5% of mix and filler, transproting the hot mix to work site, lay with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling w smooth wheeled, vigratory and tandem rollers to acheive the desired compaction as per MOR specifications clause No. 500.8 complete in all respects as per specifications.
17	Carriage 400-1.3 Carriage of mixed materials 10 Kms
18	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer charge of the work, lead 15 Km a) Basic rate for haulage of materilas as per item No. 17.4/KSRRB 100-4.1 .... Rs. 2.00 Tonne/ Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add load and unloading

CERTIFICATE

1 This is to certify that the contractor has completed the work satisfactorily.

2 The contractor has cleared the debries from the work sport

3 The contractor has used his own vehicles for the coveying the debries.

4 There are no departmental issues for the above work.

Ravi. N. K.

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ಪೆಣ್ಣಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ.
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

Ravi. N. K.